



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Fumitsugu FUKUYO, et al. )  
 )  
 U.S. Application No.: 10/507,340 ) Group Art Unit: Unassigned  
 )  
 International Appln. Filing Date: March 11, 2003 )  
 )  
 Date of National Stage Entry: September 10, 2004 ) Examiner: Unassigned  
 )  
 For: METHOD OF CUTTING OBJECT TO BE PROCESSED

Commissioner for Patents  
**MAIL STOP AMENDMENT**

Sir:

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. § 1.97(b)**

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO-1449. This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits for the above-referenced application.

An International Search Report (ISR) dated June 24, 2003 is attached together with four of the documents listed thereon. These documents and additional documents are listed on the PTO Form 1449.

Applicants respectfully request that the Examiner consider the listed documents and evidence that consideration by making appropriate notations on the attached form. As for any documents listed on the accompanying PTO-1449 that is in a language other than English, relevance can be understood from an enclosed English abstract or at least partial translation or from mention in the specification or search report for a corresponding application.

This submission does not represent that a search has been made or that no better art exists

and does not constitute an admission that any of the listed documents is material or constitute "prior art." If it should be determined that any of the listed document do not constitute "prior art" under United States law, Applicants reserves the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should any of the documents be applied against the claims of the present application.

**Except** for issue fees payable under 37 C.F.R. § 1.18, the Commissioner is hereby authorized by this paper to charge any additional fees during the entire pendency of this Application, including fees due under 37 C.F.R. § 1.16 and 1.17 which may be required and including any required extension of time fees, *or* credit any overpayment to Deposit Account No. 50-0573. This paragraph is intended to be a **CONSTRUCTIVE PETITION FOR EXTENSION OF TIME** in accordance with 37 C.F.R. § 1.136(a)(3).

Respectfully submitted,

**DRINKER, BIDDLE & REATH LLP**



Peter J. Sistare  
Registration No. 48,183

Dated: August 30, 2005

**CUSTOMER NO. 023973**  
**DRINKER, BIDDLE & REATH LLP**  
1500 K Street, N.W., Suite 1100  
Washington, D.C. 20005-1209  
Tel: (202) 842-8800  
Fax: (202)-204-0289

## INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Attorney Docket No.:

046124-5319

Application No.:

10/507,340

Applicant(s):

Fumitsugu FUKUYO et al.

PAGE 1 OF 2

Filing Date: September 10, 2004

Group Art Unit:

Unassigned

PTO Form-1449

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub Class	Filing Date
	4,562,333	Dec. 31, 1985	Taub et al.			
	5,254,833	Oct. 19, 1993	Okiyama			
	5,543,365	Aug. 6, 1996	Wills et al.			
	5,622,540	Apr. 22, 1997	Slevens			
	5,637,244	Jun. 10, 1997	Erokhin			
	5,776,220	Jul. 7, 1998	Allaire et al.			
	5,826,772	Oct. 27, 1998	Ariglio et al.			
	6,055,829	May 2, 2000	Witzmann et al.			
	6,211,488	Apr. 3, 2001	Hoekstra et al.			
	6,252,197	Jun. 26, 2001	Hoekstra et al.			
	6,257,224	Jul. 10, 2001	Yoshino et al.			
	6,259,058	Jul. 10, 2001	Hoekstra			
	6,322,958	Nov. 27, 2001	Hayashi			
	6,420,678	Jul. 16, 2002	Hoekstra			
	6,489,588	Dec. 3, 2002	Hoekstra et al.			
	2002/0006765	Jan. 17, 2002	Michel et al.			
	2003/0024909	Feb. 6, 2003	Hoekstra et al.			
	5,211,805	May 18, 1993	Srinivasan			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

T. Yajima et al., *New Version Laser Handbook*, published by Asakura Shoten, June 15, 1989, pps. 666-669Tooling Machine Series, *Laser Machining*, published by Taiga Shuppan, Inc., Sept. 10, 1990, pps. 91-96

Electronic Material, No. 9, on 2002, published by Kogyo Chousakai, pps. 17-21

F. Fukuyo et al., "Stealth Dicing Technology for Ultra Thin Wafer", presented at 2003 ICEP (International Conference on Electronics Packaging) April 16-18, 2003, Tokyo, Japan

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /Die/ (07/28/2009)

Examiner

/Dung A. Le/ (07/28/2009)

Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.

**INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

**PTO Form-1449**

Attorney Docket No.:

046124-5319

Application No.:

10/507,340

Applicant(s):

Fumitsugu FUKUYO et al.

**PAGE 2 OF 2**

Filing Date: September 10, 2004

Group Art Unit:

Unassigned

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date	Country	Class	Sub Class	Translation	
						Yes	No
	04-111800 A	Apr. 13, 1992	Japan			X	
	07-040336 A	Feb. 10, 1995	Japan			Abstract	
	10-163780 A	Jun. 19, 1998	Japan			Abstract	
	11-138896 A	May 25, 1999	Japan			Abstract	
	11-221684 A	Aug. 17, 1999	Japan			Abstract	
	11-267861 A	Oct. 5, 1999	Japan			Abstract	
	2000-015467 A	Jan. 18, 2000	Japan			Abstract	
	2000-219528 A	Aug. 8, 2000	Japan			Abstract	
	11-163403 A	Jun. 18, 1999	Japan			X	
	11-177137 A	July 2, 1999	Japan			X	
	10-305420 A	November 17, 1998	Japan			Abstract	
	2000-124537 A	April 28, 2000	Japan			Abstract	
	46-24989	July 19, 1971	Japan				X

**OTHER DOCUMENTS Cont. (Including Author, Title, Date, Pertinent Pages, Etc.)**

	K. Hayashi, "Inner Glass Marking by Harmonics of Solid-state Laser," Proceedings of 45th Laser Materials Processing Conference, Dec. 1998, pps. 23-28
	T. Sano et al., "Evaluation of Processing Characteristics of Silicon With Picosecond Pulse Laser," Preprints of the National Meeting of Japan Welding Society, No. 66, April 2000, pp. 72-73
	K. Miura et al., "Formation of Photo-induced Structures in Glasses with Femtosecond Laser," Proceedings of 42nd Laser Materials Processing Conference, Nov. 1997, pp. 105-111.
	T. Miyazaki, "Laser Beam Machining Technology," Published by Sangyo-Tosho Inc., May 31, 1991, First Edition. pps. 9-10
	K. Midorikawa, "Femto-byo Laser no Genjo to Kako Oye", Dai 45 Kai Laser-netsu Kako Kenkyukai Ronbunshu, December 1998, ISBN 4-947684-21-6, 3.4 Local Machining by Nonlinear Effect, 5.4 Modifying Transparent Material.
Examiner	Date Considered
/Dung A. Le/ (07/28/2009)	

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication.